House of Music besides Barbican

Haoyang Wu
Urban:

Route
Landmark
Site
Site:

Analysis
Reconnect public space across the Barbican Estate
Garden
Highwalk
View
Starting-Ending
facade & volum
function & plan
Third Floor 1:250
3 relics
half rotuna
Contextualizing
Reminding
Imitation
Relics
People
Background
Auditorium:

Interaction
Atmosphere
Auditorium:

  Materials
  Acoustics
  layer
Auditorium:

DESIGN
building technology
auditorium

chamber music hall

central core

floors

shafts

concrete facade

CONSTRUCTION
ventilation under chairs,
slowly extract air in ceiling,
ventilation of chamber hall by shaft

- **red**: exhaust air
- **blue**: fresh air
ventilation of rooms in sides by shafts

ventilation of rooms in central by mechanical rooms and shaft
ventilation of concert hall by shaft
ventilation of chamber hall by shaft
A. 40mm natural stone paving
B. 2mm aluminium sheet cladding, painted black
C. 150mm expanded metal mesh
D. 10mm cement mortar
E. 2-3mm monolithic concrete
F. 20mm polystyrene thermal insulation
G. 10mm decorative finish
H. 10mm natural stone coping tile to flats
I. 20mm polystyrene thermal insulation lined with aluminium flexible suspension brackets
J. 15mm interior wall board insulation
K. 15mm expanded glass granulate acoustic system

Detail section 1:5
A
20mm render
250mm polystyrene thermal insulation
20mm reinforced concrete

b
Stainless steel glazing bars: 10mm float glass + 3mm cavity +
10mm float glass + 20mm cavity + 10mm safety glass
Thanks a lot!